



SHEET CAPACITOR, IC SOCKET USING THE SAME,
AND MANUFACTURING METHOD OF SHEET CAPACITOR

TECHNICAL FIELD

5 The present invention relates to a sheet capacitor used in noise absorbing and filtering of a high speed IC or processor, an IC socket using the same, and a manufacturing method of the sheet capacitor.

BACKGROUND ART

10 Recently, personal computers and communication appliances are much more advanced in speed, and electronic components used therein are required to be reduced in size and have sufficient measures against higher frequencies. Accordingly, a capacitor, one of such electronic components, is demanded to be larger in capacity and lower in impedance. In particular, a CPU driving power
15 supply circuit of a computer is required to have a sufficient absorbing performance of noise and ripple current as a high frequency countermeasure in circuit design. There is hence a stronger demand for an electrolytic capacitor of low ESR (equivalent series resistance), low ESL (equivalent series inductance), high ripple current resistance and large capacity. To meet such demand, at the present, a
20 multiplicity of small chip capacitors are disposed around the CPU at close positions to the CPU.

Fig. 53 shows a peripheral area of a CPU in a conventional configuration. Connection pins (hereinafter called pins) 402 are provided at the lower side of an IC 401 represented by a CPU. An IC socket (hereinafter called socket) 403 is soldered
25 to a printed circuit board (hereinafter called board) 404. Chip capacitors

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